STATE OF INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT PUBLIC NOTICE NO. 20220201 – IN0061778 – D

DATE OF NOTICE: <u>FEBRUARY 1, 2022</u> DATE RESPONSE DUE: <u>MARCH 2, 2022</u>

The Office of Water Quality proposes the following NPDES DRAFT PERMIT:

MINOR - MODIFICATION

GLENWOOD (town) WWTP, Permit No. IN0061778, RUSH COUNTY, West Murphy Street, Glenwood, IN. This modification recognizes an effluent disinfection system and includes the appropriate effluent limitation and monitoring requirements for residual chlorine. Permit Manager: Jay Hanko, jhanko@idem.in.gov, 317/233-0704. Posted online at https://www.in.gov/idem/public-notices/.

PROCEDURES TO FILE A RESPONSE

Draft can be viewed or copied (10¢ per page) at IDEM/OWQ NPDES PS, 100 North Senate Avenue, (Rm 1203) Indianapolis, IN, 46204 (east end elevators) from 9 – 4, Mon - Fri, (except state holidays). A copy of the Draft Permit is on file at the local County Health Department. Please tell others you think would be interested in this matter. For your rights & responsibilities see these sites: Public Notices: https://www.in.gov/idem/public-notices/; Citizen Guide: https://www.in.gov/idem/resources/citizens-guide-to-idem/. Please tell others whom you think would be interested in this matter.

Response Comments: The proposed decision to issue a permit is tentative. Interested persons are invited to submit written comments on the Draft permit. All comments must be postmarked no later than the Response Date noted to be considered in the decision to issue a Final permit. Deliver or mail all requests or comments to the attention of the Permit Writer at the above address, (mail code 65-42 PS).

To Request a Public Hearing:

Any person may request a Public Hearing. A written request must be submitted to the above address on or before the Response Date noted. The written request shall include: the name and address of the person making the request, the interest of the person making the request, persons represented by the person making the request, the reason for the request and the issues proposed for consideration at the Hearing. IDEM will determine whether to hold a Public Hearing based on the comments and the rationale for the request. Public Notice of such a Hearing will be published in at least one newspaper in the geographical area of the discharge and sent to anyone submitting written comments and/or making such request and whose name is on the mailing list at least 30 days prior to the Hearing.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb

Brian Rockensuess

Commissioner

February 1, 2022

VIA ELECTRONIC MAIL

Mr. John Lykins, President Glenwood Town Council Town of Glenwood P.O. Box 136 Glenwood, Indiana 46133

Dear Mr. Lykins:

Re: Draft Modification NPDES Permit No. IN0061778

Town of Glenwood Wastewater Treatment Plant

Rush County

Your request for permit modification, submitted December 17, 2021, has been reviewed and processed in accordance with rules adopted under 327 IAC 5. Enclosed is the draft modification of NPDES Permit No. IN0061778 which applies to the discharge from the Town of Glenwood Wastewater Treatment Plant (WWTP). The enclosed Pages 1 through 4 of 27 are intended to replace the corresponding pages in the facility's current permit.

Pursuant to IC 13-15-5-1, IDEM will publish the draft permit document online at https://www.in.gov/idem/public-notices/. Additional information on public participation can be found in the "Citizens' Guide to IDEM", available at https://www.in.gov/idem/resources/citizens-guide-to-idem/.

Please review this document carefully and become familiar with the proposed terms and conditions. Comments concerning the draft permit should be submitted in accordance with the procedure outlined in the enclosed public notice form. If you have any questions concerning this modification, please contact Jay Hanko at 317/233-0704 or Jhanko@idem.IN.gov.

Sincerely,

Leigh Voss, Chief

Municipal NPDES Permits Section

Office of Water Quality

Enclosures

cc: Paul H. Sembach, Certified Operator

Michael Meyer, P.E

Fayette County Health Department



Page 1 of 27 Permit No. IN0061778 Revised:

STATE OF INDIANA

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AMENDED AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq., the "Clean Water Act") or (CWA), and IDEMs authority under IC 13-5, the Indiana Department of Environmental Management (IDEM) is issuing this permit to the

TOWN OF GLENWOOD

hereinafter referred to as "the permittee." The permittee owns and/or operates the **Town of Glenwood Wastewater Treatment Plant**, a minor municipal wastewater treatment plant located on West Murphy Street (at the end of the gravel drive, north of the railroad tracks), Glenwood, Indiana, Rush County. The permittee is hereby authorized to discharge from the outfalls identified in Part I of this permit to receiving waters named Ben Davis Creek in accordance with the effluent limitations, monitoring requirements, and other conditions set forth in the permit. This permit may be revoked for the nonpayment of applicable fees in accordance with IC 13-18-20.

	s hereby amended as contained herein. The amended All terms and conditions of the permit
	Further, any existing condition or term affected by the
order to receive authorization to discharge	ie, as amended, shall expire at midnight, July 31, 2023. In ge beyond the date of expiration, the permittee shall submit ed by the Indiana Department of Environmental r to the date of expiration.
Issued on	for the Indiana Department of Environmental Management.

Leigh Voss, Chief Municipal NPDES Permits Section Office of Water Quality

TREATMENT FACILITY DESCRIPTION

The permittee currently operates a Class I-SP, 0.0453 MGD controlled discharge waste stabilization lagoon treatment facility consisting of a grit chamber, a bar screen bypass, an influent flow meter, two 1.98 acre lagoon cells (cells #1 and #2), one 2.46 acre lagoon cell (cell #3), and an effluent flow meter. Detention time is at least 90 days.

The permittee has installed an effluent disinfection system consisting of gas chlorination and liquid dechlorination, and all related facilities in accordance with Construction Permit Approval No. 23690R, issued April 28, 2021 by IDEM's Facility Construction and Engineering Support Section.

The collection system is comprised of 100% separate sanitary sewers by design with no overflow or bypass points.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge from the outfall listed below in accordance with the terms and conditions of this permit. The permittee shall take samples and measurements at a location representative of each discharge to determining whether the effluent limitations have been met. Refer to Part I.B. of this permit for additional monitoring and reporting requirements.

1. Beginning on the effective date of this permit, the permittee is authorized to discharge from Outfall 001, which is located at Latitude: 39° 38' 2" N, Longitude: 85° 18' 25" W. The discharge is subject to the following requirements.

TABLE 1

	Quantity or Loading		Quality or Concentration			Monitoring Requirements		
Parameter	Monthly Average	Weekly Average	Units	Monthly Average	Weekly Average	Units	Measurement Frequency	Sample Type
Stream Flow [1]	Report		MGD				Daily*	Gauge
Influent Flow [1]	Report		MGD				5 X Weekly	24-Hr. Total
Effluent Flow [1]	Report		MGD				Daily*	24-Hr. Total
CBOD ₅ [2]			lbs/day	25	40	mg/l	Weekly	Grab
TSS [2]			lbs/day	70	105	mg/l	Weekly	Grab
Ammonia-nitrogen [2]								
Summer [3]			lbs/day	9.2	13.8	mg/l	Weekly	Grab
Winter [4]			lbs/day	12.1	18.2	mg/l	Weekly	Grab

TABLE 2

	Quality or Concentration				Monitoring Requirements	
Parameter	Daily Minimum	Monthly Average	Daily Maximum	Units	Measurement Frequency	Sample Type
Effluent/Stream Ratio [1]			0.10		Daily*	
pH [2][5][6]	6.0		9.0	s.u.	Weekly	Grab
Total Residual Chlorine						
Final [7]		0.01	0.02	mg/l	Weekly	Grab
E.coli [8]		125 [9]	235 [10]	cfu/100 ml	Weekly	Grab

- *Monitoring of stream flow and effluent flow is required daily, when discharging.
- [1] Pursuant to 327 IAC 5-10-3(a), municipal wastewater treatment facilities with multiple cell waste stabilization ponds operating as controlled discharges may discharge at any time provided effluent limits and all other conditions of this permit are met and the daily discharge flow rate does not exceed one-tenth (1/10) of the stream flow of the receiving stream. The actual stream flow must be measured upstream of the treatment facility discharge with a gauging station installed and maintained by the permittee upstream of the facility discharge point. The permittee must regulate the facility's discharge such that the discharge flow does not exceed one-tenth (1/10) of the measured stream flow. Flow measurement is required per 327 IAC 5-2-13. In addition to the gauging station, flow meters must be utilized to measure both the influent and the effluent. Influent flow is to be reported five times weekly on the Monthly Report of Operation regardless of discharge. The gauging station and the flow meters shall be calibrated by the permittee as often as necessary to provide accurate and reliable data, but at least once every twelve months. The permittee shall send the resulting calibration curve or table to the following address no later than October 1 of each year to the following email address: wwreports@idem.in.gov
- [2] Monitoring of effluent to determine compliance with the effluent limitations is required during periods of discharge. Additionally, it is recommended that CBOD₅, TSS, ammonia-nitrogen, and pH samples be analyzed before discharge commences after a prolonged storage period so that the permittee may determine prior to discharge, that the effluent limits would be met. Influent monitoring for CBOD₅, TSS, ammonia-nitrogen, and pH is required monthly, regardless of discharge. The influent monitoring data shall be reported on the Monthly Report of Operations (MRO) form.
- [3] Summer limitations apply from May 1 through November 30 of each year.
- [4] Winter limitations apply from December 1 through April 30 of each year.

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- [5] If the permittee collects more than one grab sample on a given day for pH, the values shall not be averaged for reporting daily maximums or daily minimums. The permittee must report the individual minimum and the individual maximum pH value of any sample during the month on the Monthly Report of Operation forms.
- [6] In accordance with 327 IAC 2-1-6(b)(2), the pH of the effluent may not exceed nine (9.0) s.u. as a daily maximum, except in the case of daily fluctuations attributable to photosynthetic activity. Notice of such conditions must accompany the monthly DMR form for each day the pH exceeds 9.0 s.u.
- [7] In accordance with 327 IAC 5 2 11.1(f), compliance with this permit will be demonstrated if the measured effluent concentrations are less than the limit of quantitation (0.06 mg/l). If the measured effluent concentrations are above the water quality-based permit limitations and above the Limit of Detection (LOD) specified by the permit in any of three (3) consecutive analyses or any five (5) out of nine (9) analyses, the permittee is required to reevaluate its chlorination/dechlorination practices to make any necessary changes to assure compliance with the permit limitation for TRC. These records must be retained in accordance with the record retention requirements of Part I.B.8 of this permit.

Effluent concentrations greater than or equal to the LOD but less than the Limit of Quantitation (LOQ), shall be reported on the discharge monitoring report forms as the measured value. A note must be included with the DMR indicating that the value is not quantifiable. Effluent concentrations less than the limit of detection shall be reported on the discharge monitoring report forms as less than the value of the limit of detection. For example, if a substance is not detected at a concentration of 0.01 mg/l, report the value as < 0.01 mg/l. At present, two methods are considered to be acceptable to IDEM, amperometric and DPD colorimetric methods, for chlorine concentrations at the level of 0.06 mg/l.

Parameter		
Chlorine	0.02 mg/l	0.06 mg/l

Case-Specific MDL

The permittee may determine a case-specific Method Detection Level (MDL) using one of the analytical methods specified above, or any other test method which is approved by IDEM prior to use. The MDL shall be derived by the procedure specified for MDLs contained in 40 CFR Part 136, Appendix B, and the limit of quantitation shall be set equal to 3.18 times the MDL. Other methods may be used if first approved by the U.S. EPA and IDEM.

[8] The effluent shall be disinfected on a continuous basis such that violations of the applicable bacteriological limitations (*E. coli*) do not occur from April 1 through

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- October 31, annually. The *Escherichia coli* (*E. coli*) limitations apply from April 1 through October 31 annually.
- [9] The monthly average E. coli value shall be calculated as a geometric mean. Per 327 IAC 5-10-6, the concentration of E. coli shall not exceed one hundred twenty-five (125) cfu or mpn per 100 milliliters as a geometric mean of the effluent samples taken in a calendar month. No samples may be excluded when calculating the monthly geometric mean.
- [10] If less than ten samples are taken and analyzed for *E. coli* in a calendar month, no samples may exceed two hundred thirty-five (235) cfu or mpn as a daily maximum. However, when ten (10) or more samples are taken and analyzed for *E. coli* in a calendar month, not more than ten percent (10%) of those samples may exceed two hundred thirty-five (235) cfu or mpn as a daily maximum. When calculating ten percent, the result must not be rounded up. In reporting for compliance purposes on the Discharge Monitoring Report (DMR) form, the permittee shall record the highest non-excluded value for the daily maximum.

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- 2. Minimum Narrative Limitations At all times the discharge from any and all point sources specified within this permit shall not cause receiving waters:
 - a. including the mixing zone, to contain substances, materials, floating debris, oil, scum or other pollutants:
 - (1) that will settle to form putrescent or otherwise objectionable deposits;
 - (2) that are in amounts sufficient to be unsightly or deleterious;
 - (3) that produce color, visible oil sheen, odor, or other conditions in such degree as to create a nuisance;
 - (4) which are in amounts sufficient to be acutely toxic to, or to otherwise severely injure or kill aquatic life, other animals, plants, or humans;
 - (5) which are in concentrations or combinations that will cause or contribute to the growth of aquatic plants or algae to such a degree as to create a nuisance, be unsightly, or otherwise impair the designated uses.
 - b. outside the mixing zone, to contain substances in concentrations which on the basis of available scientific data are believed to be sufficient to injure, be chronically toxic to, or be carcinogenic, mutagenic, or teratogenic to humans, animals, aquatic life, or plants.

B. MONITORING AND REPORTING

 Representative Sampling Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge flow and shall be taken at times which reflect the full range and concentration of effluent parameters normally expected to be present. Samples shall not be taken at times to avoid showing elevated levels of any parameters.

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National Pollutant Discharge Elimination System

Briefing Memo for

Town of Glenwood Wastewater Treatment Plant

Draft: January 2022 Final: TBD

Indiana Department of Environmental Management

100 North Senate Avenue Indianapolis, Indiana 46204 (317) 232-8603 Toll Free (800) 451-6027 www.idem.IN.gov

Permittee:	Mr. John Lykins, President Glenwood Town Council Town of Glenwood P.O. Box 136 Glenwood, Indiana 46133 765/561-5261 tilykins@live.com
Existing Permit	Permit Number: IN0061778
Information:	Expiration Date: July 31, 2023
Facility Contact:	Paul H. Sembach, Certified Operator 765/561-6289 psembach@gmail.com
Facility Location:	West Murphy Street (at the end of gravel drive, north across from RR tracks) Glenwood, IN Rush County
Receiving Stream:	Ben Davis Creek
GLI/Non-GLI:	Non-GLI
Proposed Permit Action:	Modification
Date Application Received:	December 17, 2021
Facility Category	NPDES Minor Municipal
Permit Writer:	Jay Hanko 317/233-0704 <u>Jhanko@idem.IN.gov</u>

Outfall Location Latitude: 39° 38' 2" N

Longitude: 85° 18' 25" W

In order to comply with Office policy on rounding, the GPS coordinates for Outfall 001 have been changed to round the 'seconds' portion of the measurement to the nearest whole number. However, the physical location of the outfall has not changed.

Background

This is the modification of the NPDES permit for the Town of Glenwood Wastewater Treatment Plant. The facility's current permit was effective on August 1, 2018 and has an expiration date of July 31, 2023. A request for permit modification was received from the permittee on December 17, 2021. The permittee requests a permit modification to recognize the permittee has installed an effluent disinfection system, and to include the appropriate effluent limitation and monitoring requirements for residual chlorine.

Modification

The following changes have been made for the modification of the NPDES permit:

Page 1 of 27 This page has been modified to reflect the modification effect	Page 1 of 27	This page has been	modified to reflect the	modification effective
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date for the permit.

Page 2 of 27 This page has been modified to revise the Facility Description

section to include the new disinfection system which was recently installed in accordance with Construction Permit Approval No. 23690R, issued April 28, 2021 by IDEM's Facility Construction and

Engineering Support Section.

Page 3 of 27 This page has been modified to include effluent limits and

monitoring requirements for Total Residual Chlorine in Table 2 of the permit. No other effluent limits or monitoring requirements

have been revised.

Pages 3a & 3b of 27 These pages have been modified to include a new footnote

(revised [7]) for Total Residual Chlorine, and to renumber the remaining footnotes. These pages have also been renumbered to synchronize with the remaining pages of the permit which have not

been revised.

Page 4 of 27 This page has been revised to synchronize with the remaining

pages of the permit which have not been revised.

Expiration Date

The expiration date of the permit has not changed. The permit, as modified, will expire at midnight on July 31, 2023.

Permit Processing/Public Comment

Pursuant to IC 13-15-5-1, IDEM will publish the draft permit modification document online at https://www.in.gov/idem/public-notices/. Additional information on public participation can be found in the "Citizens' Guide to IDEM", available at https://www.in.gov/idem/resources/citizens-guide-to-idem/. A 30-day comment period is available to solicit input from interested parties, including the public.